





clock signal.

6. A pulse width modulating device according to claim 5, wherein said operation device is a delay device which delays the second clock signal by a predetermined period of time and generates a third clock signal delayed by the predetermined period of time.

7. An exposure device comprising:

(a) a pulse width modulating device including:

(i) a clock generating device which generates a first clock signal;

(ii) an operation device which operates the first clock signal and generates at least one processing clock signal whose phase is different than a phase of the first clock signal; and

(iii) a pulse width modulating signal output device which makes a pulse of a pulse width modulating signal rise synchronously with one of the first clock signal and the processing clock signal generated by said operation device, and makes the pulse of the pulse width modulating signal fall synchronously with a remaining



inverts the first clock signal and generates a second clock signal.

11. A pulse width modulating method comprising the steps of:

(a) generating a first clock signal;

(b) operating the first clock signal and generating at least one clock signal whose phase is different than a phase of the first clock signal; and

(c) making a pulse of a pulse width modulating signal rise synchronously with one of the first clock signal and the clock signal generated in step (b), and making the pulse of the pulse width modulating signal fall synchronously with a remaining one of the first clock signal and the clock signal generated in step (b).

12. A pulse width modulating method according to claim 11, further comprising the step of:

(d) in step (c), after the pulse is made to rise, counting a number of pulses of the remaining one of the first clock signal and the clock signal generated in step (b),

wherein in step (c), after a predetermined number of pulses have been counted by step (d), the pulse is made to fall synchronously with the remaining one of the first clock signal and the clock signal





19. An exposure method according to claim 17, wherein in step (b), the first clock signal is delayed by respectively different predetermined periods of time, and a plurality of delay clock signals which are delayed by the respectively different predetermined periods of time are generated.

20. An exposure method according to claim 17, wherein the first clock signal generated in step (a) has a rectangular waveform, and in step (b), the first clock signal is inverted, and a second clock signal is generated.

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